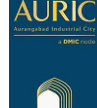


FOR TENDER			
CLIENT			
 MAHARASHTRA INDUSTRIAL TOWNSHIP LTD (MITL)			
PROJECT			
DESIGN, CONSTRUCTION, TESTING, COMMISSIONING AND OPERATION & MAINTENANCE OF INFRASTRUCTURE WORKS AT DIGHI FORT INDUSTRIAL AREA (DPIA)- PHASE 1 UNDER DELHI MUMBAI INDUSTRIAL CORRIDOR (DMIC) ON EPC BASIS			
TITLE			
SINGLE LINE DIAGRAM FOR 33/11 KV SUB STATION-12			
PROJECT CODE: DI1628	STATUS: ISSUED FOR TENDER		DATE: 22/05/2025
SHEET NO: 01 of 01	SCALE: NTS	DWG SIZE: A1	REV NO: R1
DRAWING NO:			

FOR TENDER

<p>SINGLE LINE DIAGRAM FOR 33/11 KV SUB STATION-12</p>			
PROJECT CODE: DI1628	STATUS: ISSUED FOR TENDER		DATE: 24.07.2025
SHEET NO: 01 of 01	SCALE: NTS	DWG SIZE: A1	REV NO: R1
DRAWING NO:			
MITL-DPIA-PKG1-EL-15			

NOTES:-

1. ALL THE CT RATINGS WITH BURDEN SHALL BE CONSIDERED AS PER THE SYSTEM REQUIREMENT.
2. FINAL SWITCHGEARS RATING SHALL BE CONSIDERED BASED ON THE ACTUAL LOAD REQUIREMENT & AS PER THE ELECTRICAL DISTRIBUTION SCHEME.
3. SHORT CIRCUIT CURRENT RATING OF THE SWITCHGEARS & BUS BAR SHALL BE AS PER SYSTEM DESIGN REQUIREMENTS.
4. FRLS COPPER CONTROL WIRING WITH SPACE HEATER, THERMOSTAT AND CONTROL MCB'S ETC. SHALL BE PROVIDED IN ALL THE ELECTRICAL PANELS AS REQUIRED.
5. FINAL CABLE SIZES SHALL BE CONSIDERED BASED ON THE ACTUAL LOAD REQUIREMENT & AS PER THE ELECTRICAL DISTRIBUTION SCHEME.

SYSTEM PARAMETERS		
RATED VOLTAGE	33 kV	11 kV
MAXIMUM VOLTAGE	36 kV	12 kV
RATED FREQUENCY	50 Hz	50 Hz
RATED POWER FREQUENCY WITHSTAND VOLTAGE (1 MIN)	70 kV	28 kV
RATED LIGHTNING IMPULSE WITHSTAND VOLTAGE (1.2/50 MICRO SEC)	170 KvP	75 KvP
RATED SHORT BREAKING CURRENT	25 KA	25 KA
RATED TIME WITHSTAND DURATION	3 Sec.	3 Sec.
DRIVING MECHANISM OF CIRCUIT BREAKER	STORED ENERGY SPRING	STORED ENERGY SPRING
DRIVING OPERATING SEQUENCE	0-0.3S-CO-3 MIN-CO	0-0.3S-CO-3 MIN-CO